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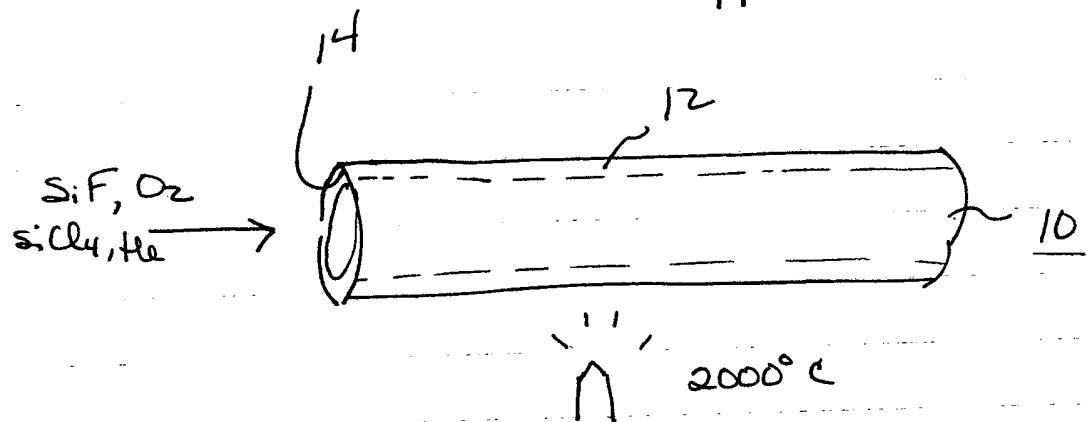


FIG. 1

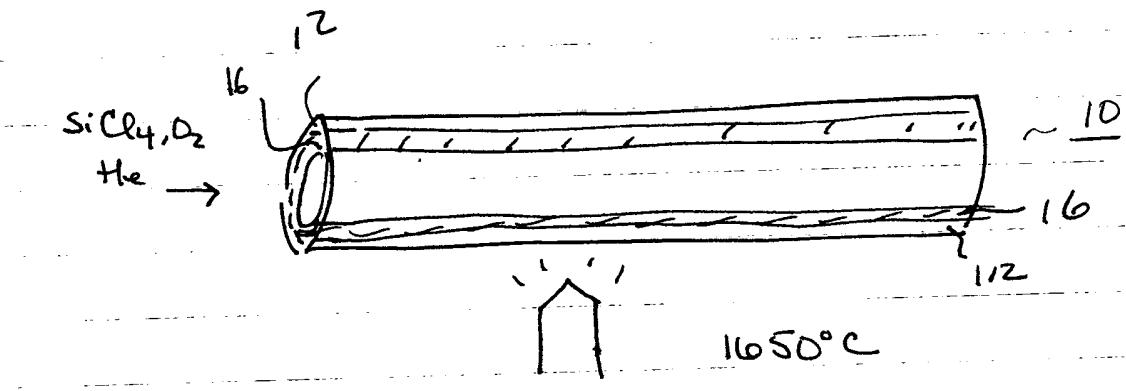


FIG. 2

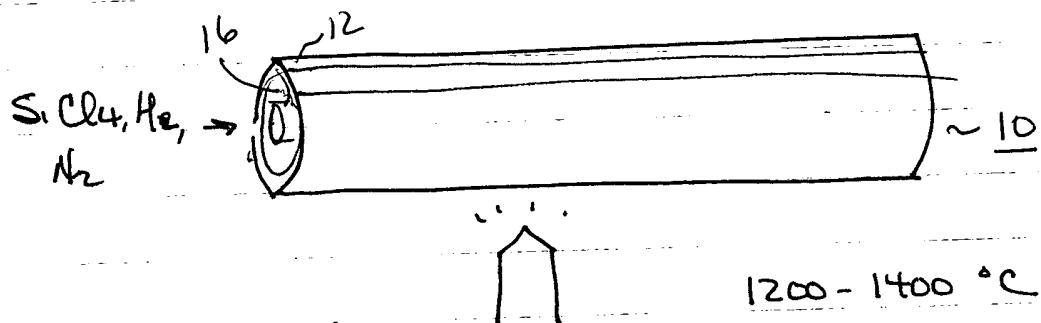


FIG. 3

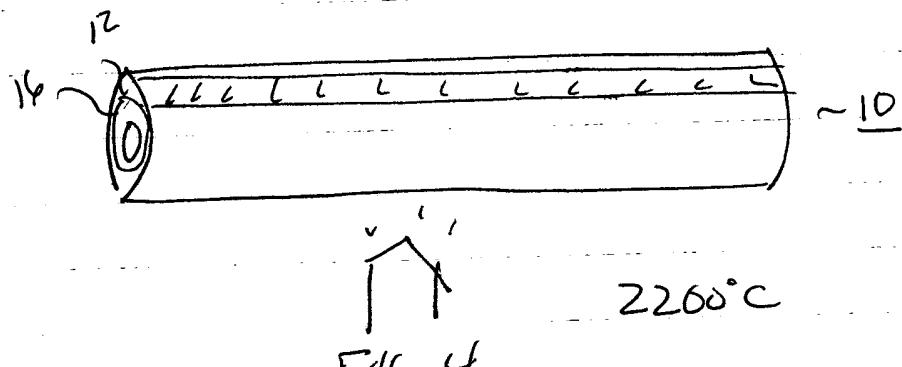


FIG. 4

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Cl<sub>2</sub>, He

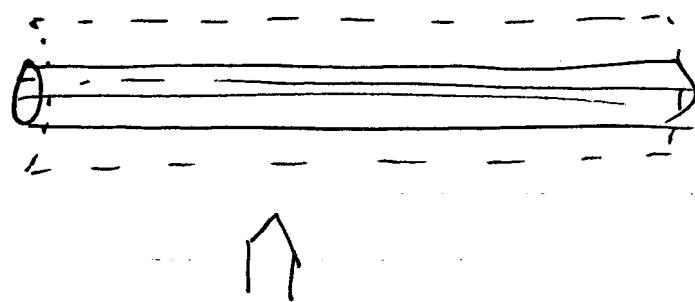


FIG. 5

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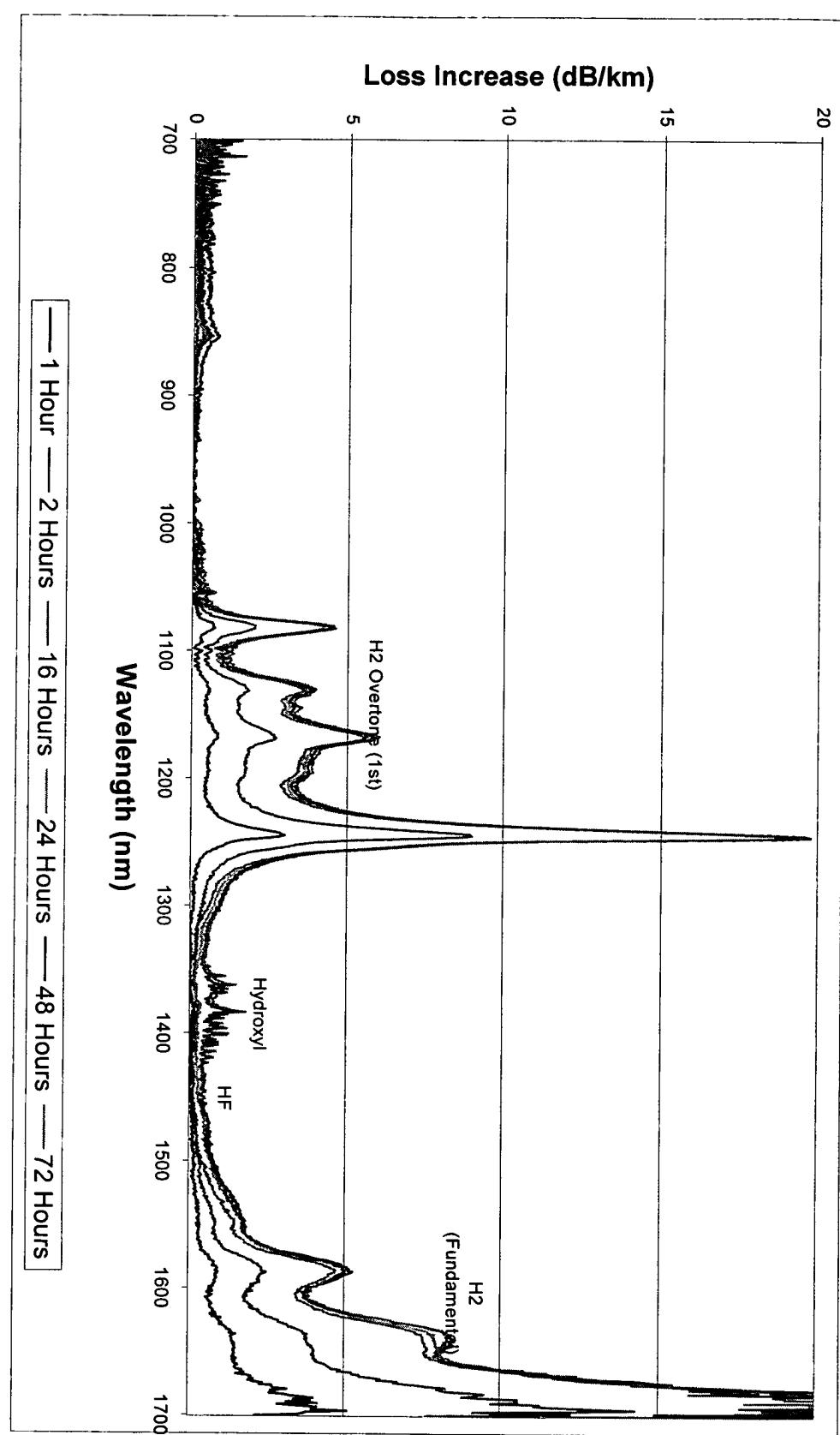


Figure 6 Demonstration of Hydrogen Induced Attenuation at 100 PSI H<sub>2</sub> & 100C.

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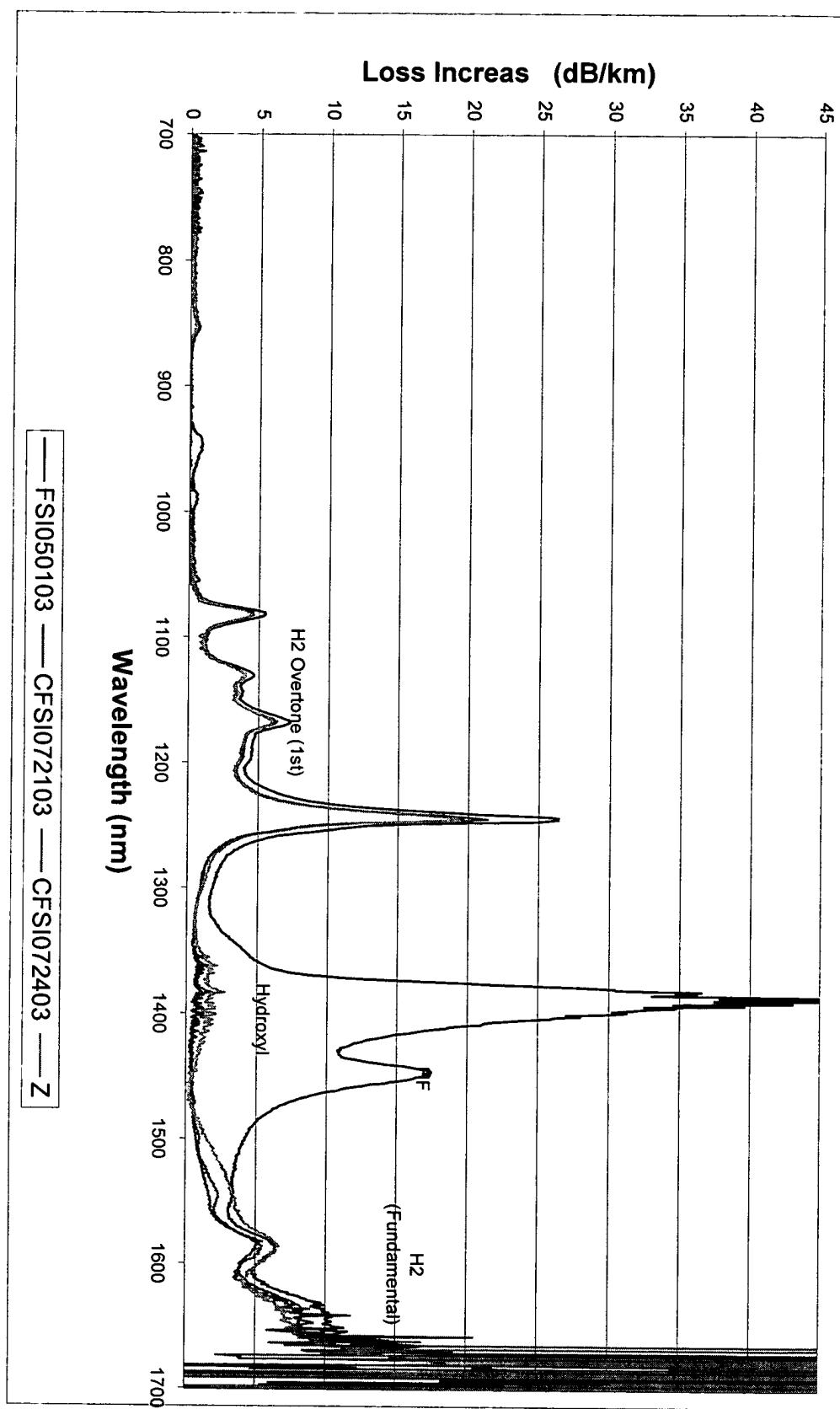


Figure 7 Elimination of SiOH and HF absorption peaks in 100 PSI H<sub>2</sub> & 100C.

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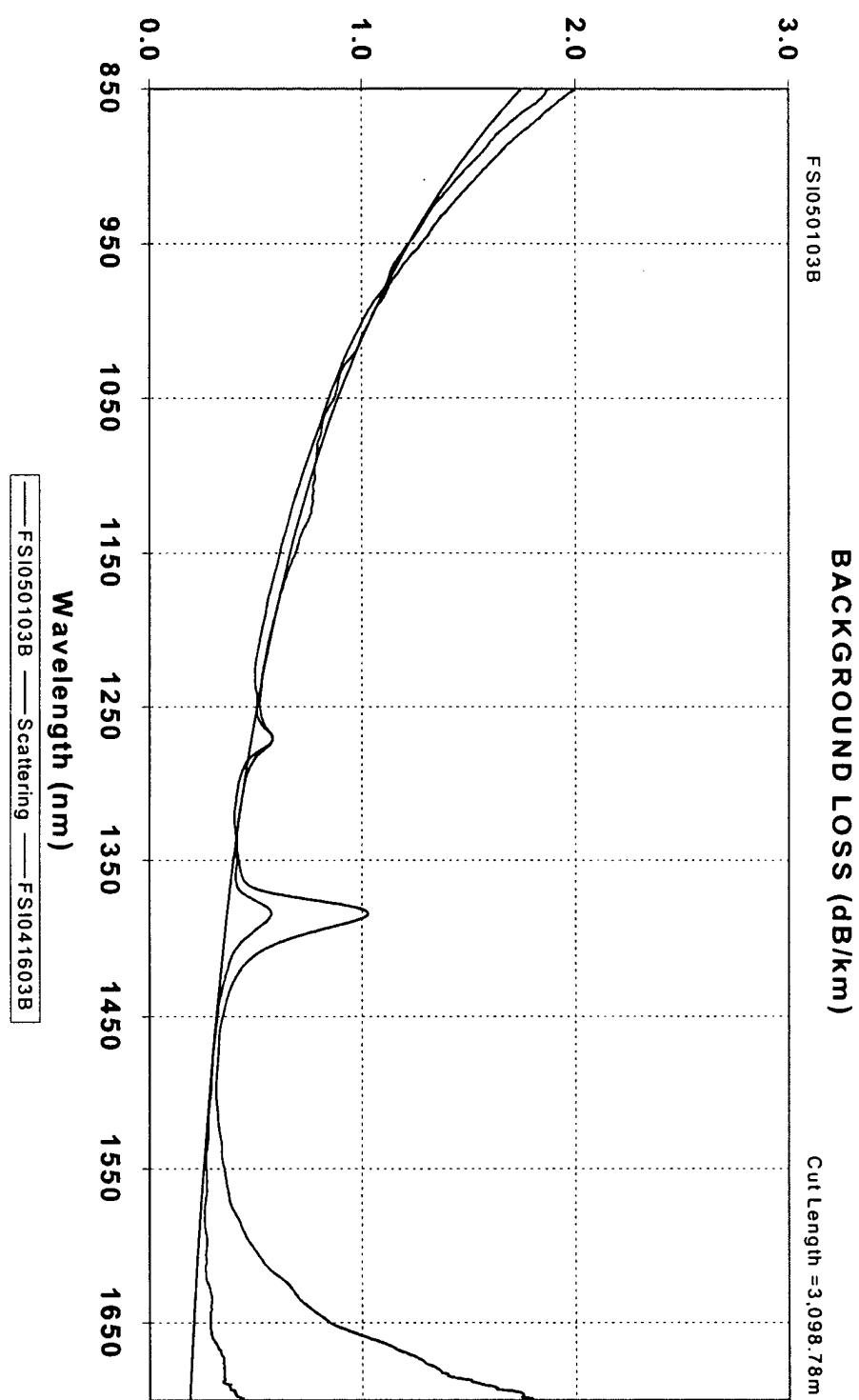


Figure 8 Attenuation of pure silica core fiber with excess oxygen.

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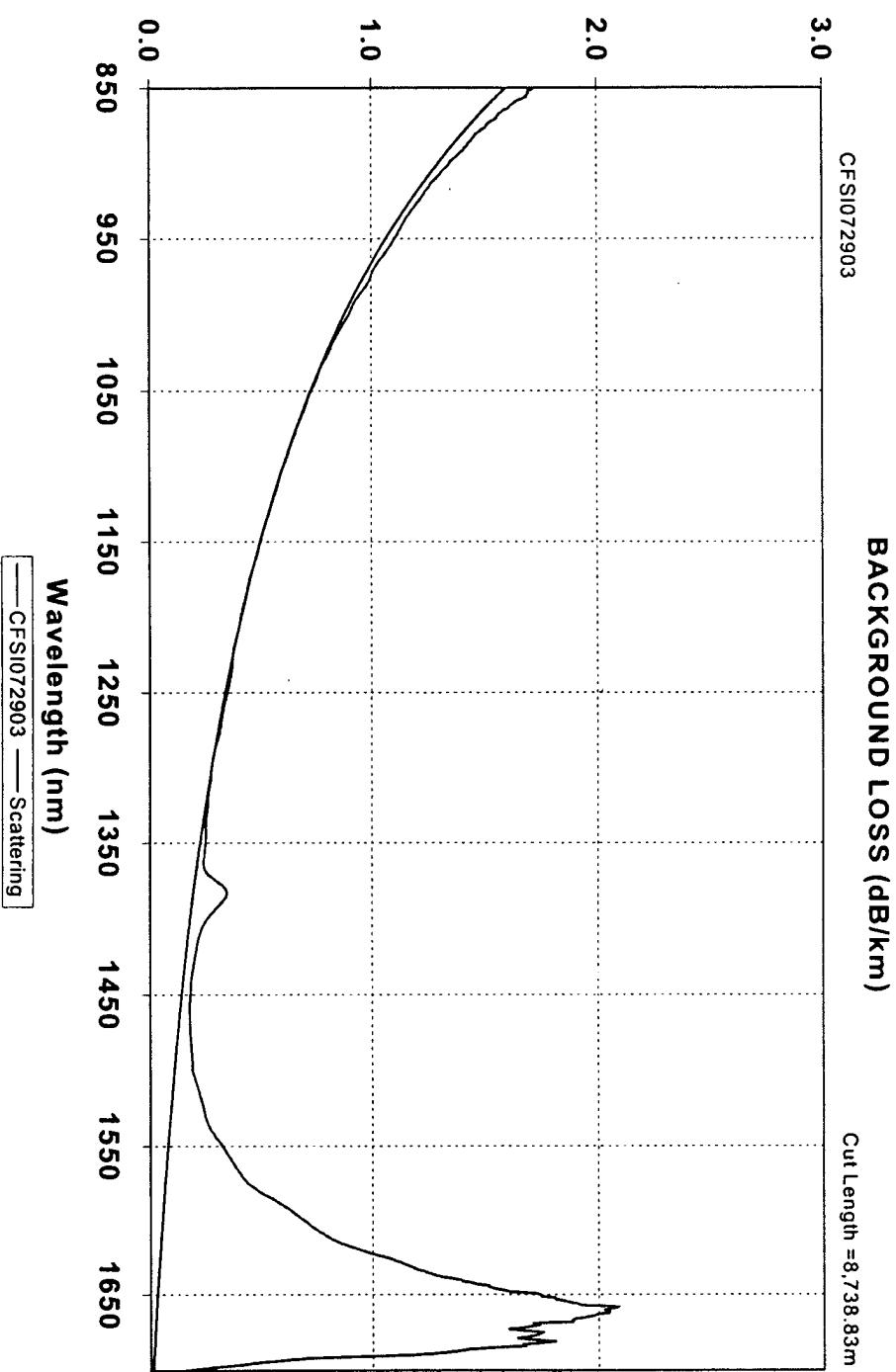


Figure 9 Attenuation of SiC4 treated fiber before hydrogen exposure.